

CLAIMS:

1. Use of vinpocetine and its derivatives for the fabrication of a medicine useful in the treatment and prophylaxis of neurological diseases, particularly epilepsy and capable of antagonize the alterations in the auditory brainstem response (ABR) waves and the hearing loss that accompany the illness.
2. Use of vinpocetine and its derivatives in accordance with claim 1, as antiepileptic medication characterized by the inhibition of the epileptic cortical activity for the ictal and post-ictal periods.
3. Use in accordance with claim 1 of vinpocetine and its derivatives for the treatment of alterations of retrochoclear origin, characterized by the inhibition of the alterations of the amplitudes and latencies of the different waves of the ABR.
4. Use in accordance with claim 1 of vinpocetine and its derivatives for the treatment of hearing loss, characterized by the inhibition of the increase in the auditory threshold induced by diverse chemical agents, namely pentylenetetrazole, 4-aminopyridine and several aminoglycoside antibiotics.
5. Use in accordance with claim 1 of vinpocetine and its derivatives in the prophylaxis of neurological diseases characterized by the long term protective action on the ABR wave alterations induced by several aminoglycoside antibiotics.
6. Use of the medicine of claim 1-5, characterized because it can be administered orally or parenterally in a pharmaceutical acceptable vehicle.